

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 06-009607

(43)Date of publication of application : 18.01.1994

(51)Int.CI. C07D311/62

(21)Application number : 05-096518 (71)Applicant : SHOKUHIN SANGYO HIGH SEPARERESHIYON SYST GIJUTSU KENKYU KUMIAI

(22)Date of filing : 01.04.1993 (72)Inventor : SUEHIRO BUNICHI SHIBATA KENJI SHINYA HIROSHI YOSHINABE FUMIHISA TAKEO CHUICHI

(30)Priority

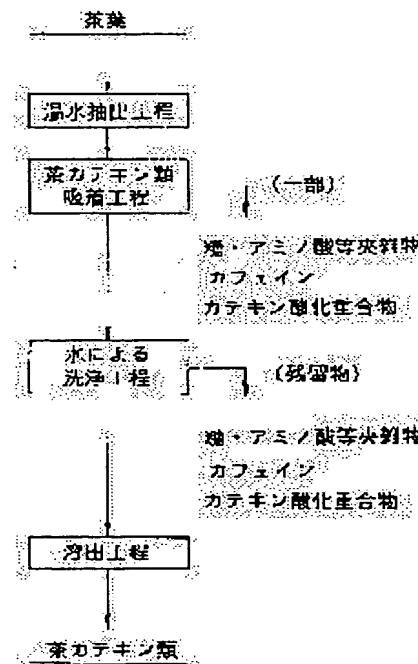
Priority number : 04113161 Priority date : 07.04.1992 Priority country : JP

## (54) PRODUCTION OF TEA CATECHINS

### (57)Abstract:

**PURPOSE:** To produce tea catechins of high purity in low costs in an industrial scale safely from food-hygienic point of view by removing saccharides, amino acids and other contaminants, caffeine and catechin oxidative polymerization products without use of liquid-liquid extraction process.

**CONSTITUTION:** The production process comprises (A) the extraction of tea from tea leaves, (B) adsorption of the tea catechins to a chromatography column filled with a synthetic gel adsorbent, (C) washing of the column with water to remove water-soluble contaminants including at least caffeine, and (D) the elution of the components remaining in the column with an aqueous solution containing 50 to 100vol. one kind among methanol, ethanol and acetone or a mixture thereof.



## LEGAL STATUS

[Date of request for examination] 16.09.1997

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number] 3052172  
[Date of registration] 07.04.2000  
[Number of appeal against examiner's decision of rejection]  
[Date of requesting appeal against examiner's decision of rejection]  
[Date of extinction of right]